

Peter Lavigne

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WORK EXPERIENCE

Verily (Formerly "Google Life Sciences"), Software Engineer III

Aug. 2022 - Present

- Led project expanding access to the world's largest genomic dataset, coordinating between vendors, the NIH, and security teams, by migrating to GDPR-compliant dependencies
- Transformed testing infrastructure, improving CI success rates from 31% to 91%, reducing suite execution time from 40 to 21 minutes, and cutting CI costs by 58%
- Engineered an LLM-powered utility that transforms Jira bug reports into ready-to-use database seed data, accelerating bug reproduction and boosting developer efficiency
- Drove architectural decisions enabling my team to cut two weeks from each release cycle
- Improved developer productivity across teams by optimizing build systems (minutes to seconds) and reducing on-call alert noise from 42 to 3 weekly notifications
- Cultivated engineering excellence by leading book clubs (software design, testing), delivering talks (OAuth/OIDC, CI/CD), and authoring essays (architecture, monitoring best practices)
- Want to evaluate my work firsthand? Many of my contributions were [open source](#)

AppFolio, Inc., Software Engineer II

May 2020 - Apr. 2022

- Achieved 65% automation of a manual task done thousands of times per day by augmenting a machine learning system with a rules system
- Gave multiple company-wide technical demos, including one on early generative AI tooling
- Taught classes on testing practices, such as what TDD is and when it is most and least useful
- Established a bug triage and prioritization process, significantly decreasing our bug backlog

Sigma Surgical, Software Engineer

Jan. 2020 - May 2021

- Enabled engineers to separate development and production environments using Terraform
- Added search functionality to the app using Elasticsearch and AWS lambda

AppFolio, Inc., Software Engineer Co-op

Jan. - May 2019

- Converted a legacy budgeting page to React and added new functionality

Tamr, Inc., Software Engineer Co-op

Jan. - June 2018

- Implemented features of a full stack testing infrastructure, such as CI config and Slack alerts

PROJECTS

[Orakyubu](#), puzzle video game

- 15,000+ downloads and 98% positive ratings on the Steam marketplace
- Collected feedback from 25 playtesters

EDUCATION

Northeastern University, Boston, MA. Bachelor of Science in Computer Science.

Class of 2020

SOFTWARE KNOWLEDGE

Languages:

Javascript, Typescript, Python, Java, Ruby, Go

Software/Frameworks:

React, Ruby on Rails, Spring, LLMs, AWS, GCP, Terraform